Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	02/15/2018 10:16 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/18/2017 09:13 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125961	0	1.49	125891	1.44
Blue	F	SSC	125000	124570	-1	3.02	124906	2.81
Blue	E	FITC	23615	22849	-4	2.61	1020	10.35
Blue	D	PE	26739	26492	-1	2.15	954	10.02
Blue	B	PerCP-Cy5-5	48339	47025	-3	3.49	1346	17.63
Blue	A	PE-Cy7	45021	45383	0	5.29	697	36.57
Red	C	APC	53064	52317	-2	2.82	2996	9.79
Red	A	APC-Cy7	57175	56604	-1	2.75	1175	11.52
Violet	B	V450	14728	14208	-4	5.78	683	9.72
Violet	A	V500	58621	57202	-3	5.66	2536	7.79

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19841	2.36	612	-2	N/A	N/A	Pass
Blue	F	SSC	61920	1.56	555	9	N/A	N/A	Pass
Blue	E	FITC	114	40.12	548	0	0.0207	210	Pass
Blue	D	PE	209	30.41	539	3	0.1608	295	Pass
Blue	B	PerCP-Cy5-5	209	47.52	636	1	0.0093	112	Pass
Blue	A	PE-Cy7	75	124.43	696	3	0.0113	17	Pass
Red	C	APC	341	28.94	601	4	0.0189	56	Pass
Red	A	APC-Cy7	128	43.13	584	4	0.0052	1996	Pass
Violet	B	V450	82	42.80	469	-1	0.0516	2219	Pass
Violet	A	V500	184	22.44	496	-1	0.0133	87	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.57	47.98 - 71.98	N/A	N/A	-31.67	-31.28	0.85
Blue	20.35	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.34
Red	17.56	14.40 - 21.60	N/A	N/A	31.26	31.60	1.17

Window Extension: 7.00
FSC Area Scaling Factor: 0.87

Threshold

Threshold (FSC): 11976

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments